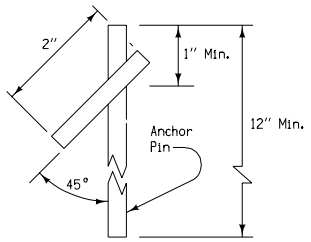
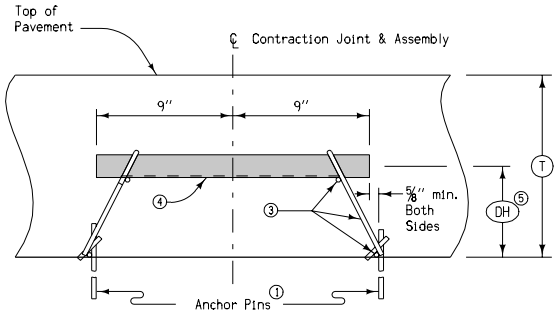
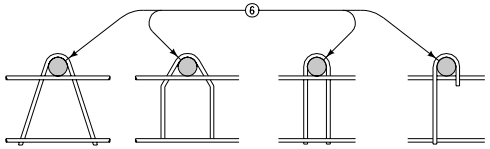
DOWEL HEIGHT AND DIAMETER		
(T)	(DH) ⑤	Diameter
7.0″	3.5″	¾″
7.5″	3.5″	¾″
8.0″	4.25″	1¼″
8.5″	4.25″	1¼″
9.0″	4.25″	1¼″
9.5″	4.25″	1¼″
10.0″	5.25″	1½″
10.5″	5.25″	1½″
11.0″	5.25″	1½″
11.5″	6.25″	1½″
12.0″	6.25″	1½″
12.5″	6.25″	1½″
13.0″	6.25″	1½″



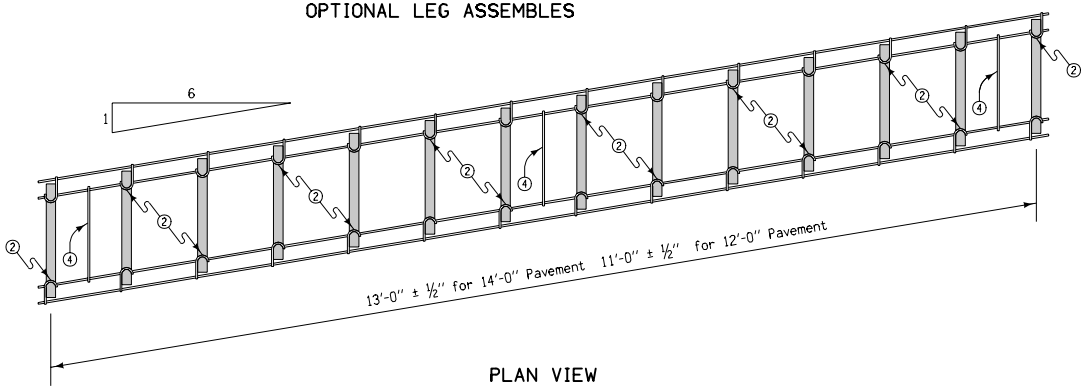
ANCHOR PIN DETAILS①



LONGITUDINAL SECTION

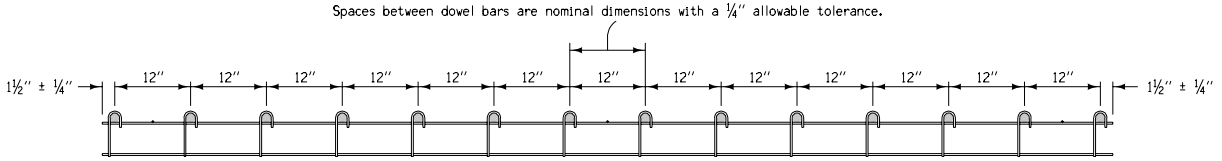


OPTIONAL LEG ASSEMBLES



PLAN VIEW

Spaces between dowel bars are nominal dimensions with a ¼″ allowable tolerance.



ELEVATON

GENERAL NOTES:

Dowel bars shall be 18" long with a tolerance of ±1/8". The centerline of individual dowels shall be parallel to the other dowels in the assembly within ±1/8".

Wire size shown are minimum required, and the wire shall have a minimum tensile strength of 50 KSI.

① (8) anchor pins minimum required, 4 per side. Pins shall be #1/0 gage (.306) wire, be a minimum length of 12″, and shall prevent movement of assembly during construction.

② Weld alternately thru-out.

③ #1/0 gage (.306) wire.

④ (3) #10 gage (.135) wire, tie wire welded or friction fit to top longitudinal wire, both sides.

⑤ Measured from the centerline of dowel bar to bottom of support wire ±1/4″.

⑥ Diameter of bend around dowel is dowel diameter +1/8″ to 3/16″.

Iowa Department of Transportation
Highway Division

STANDARD ROAD PLAN | **RH-57**

REVISION: Removed table with number of dowels.

REVISION NO. 3

REVISION DATE 10-21-03

William J. Stein
APPROVED BY DESIGN METHODS ENGINEER

FABRICATION DETAILS
CONTRACTION JOINT
SKEWED DOWEL ASSEMBLY